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starting with: POINT\$(POINTS/VERTICES).P28-P87.

**Search Results -**

Terms	Documents
wax-in-water and (melting adj point\$) and mascara	1

US Patents Full-Text Database ▲

US Pre-Grant Publication Full-Text Database

JPO Abstracts Database

EPO Abstracts Database

Derwent World Patents Index

Database: IBM Technical Disclosure Bulletins ▼

Refine Search:

wax-in-water and (melting adj point\$)  
and mascara

Clear

**Search History****Today's Date: 9/4/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	wax-in-water and (melting adj point\$) and mascara	1	<u>L11</u>
USPT	(mix\$ near20 waxes) and (melting adj point\$) and mascara	13	<u>L10</u>
USPT	(mix\$ near10 waxes) and (rice\$ carnauba ouricurry candelilla montan) and lipstick and (melting adj point)	32	<u>L9</u>
USPT	wax and (rice\$ carnauba ouricurry candelilla montan) and lipstick and (melting adj point)	269	<u>L8</u>
JPAB,EPAB,DWPI	wax and (rice\$ carnauba ouricurry candelilla montan) and lipstick and (melting adj point)	4	<u>L7</u>
JPAB,EPAB,DWPI	wax and (rice\$ carnauba ouricurry candelilla montan) and mascara and (melting adj point)	3	<u>L6</u>
JPAB,EPAB,DWPI	wax and (rice\$ carnauba ouricurry candelilla montan) and mascara and film and (melting adj point)	1	<u>L5</u>
JPAB,EPAB,DWPI	wax and (rice\$ and carnauba and ouricurry and candelilla and montan) and mascara and film and dimethicone	0	<u>L4</u>
USPT	wax and (rice\$ and carnauba and ouricurry and candelilla and montan) and mascara and film and dimethicone	2	<u>L3</u>
USPT	wax and (rice\$ and carnauba and ouricurry and candelilla and montan) and mascara and film	5	<u>L2</u>
USPT	wax and (rice\$ carnauba ouricurry candelilla montan) and mascara and film	197	<u>L1</u>

**WEST**[Generate Collection](#)**Search Results - Record(s) 1 through 2 of 2 returned.**☐ 1. Document ID: US 6274131 B1

L3: Entry 1 of 2

File: USPT

Aug 14, 2001

US-PAT-NO: 6274131

DOCUMENT-IDENTIFIER: US 6274131 B1

TITLE: Mascara comprising a mixture of hard waxes and of film-forming polymer

DATE-ISSUED: August 14, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piot; Bertrand	Colombes	N/A	N/A	FRX
Debert; Daniele	Savigny sur Orge	N/A	N/A	FRX
Bodelin-Lecomte; Sophie	Vanves	N/A	N/A	FRX

US-CL-CURRENT: 424/70.7; 424/401, 424/70.1, 424/70.11, 424/70.12

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 5876704 A

L3: Entry 2 of 2

File: USPT

Mar 2, 1999

US-PAT-NO: 5876704

DOCUMENT-IDENTIFIER: US 5876704 A

TITLE: Compositions for making up the eyes

DATE-ISSUED: March 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collin; Natalie	Sceaux	N/A	N/A	FRX
Couture; Huguette	Vigneux Sur Seine	N/A	N/A	FRX

US-CL-CURRENT: 424/63; 424/401, 424/70.11, 424/70.12, 424/70.15, 424/70.16,  
424/70.7, 424/78.03

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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[Generate Collection](#)

Terms	Documents
wax and (rice\$ and carnauba and ouricurry and candelilla and montan) and mascara and film and dimethicone	2

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Documents, starting with Document:

**Display Format:**

**WEST**☐ Generate Collection

L10: Entry 2 of 13

File: USPT

Jul 24, 2001

DOCUMENT-IDENTIFIER: US 6264965 B1

TITLE: Composition in the form of an O/W emulsion with a high wax content and uses thereof in cosmetics and dermatology

## BSPR:

Furthermore, it is known to incorporate a high percentage of waxes into mascaras. However, compositions of this type cannot be used as care products on account of the drawbacks mentioned above.

## BSPR:

According to one preferred embodiment of the invention, at least one wax having a starting melting point of greater than or equal to 50.degree. C., and better still at least one wax whose starting melting point is greater than 65.degree. C., is used, such as carnauba wax, certain polyethylene waxes and certain microcrystalline waxes such as the one sold by Tisco as "Tisco Wax 88" or the one sold by RMC as "Feruwax 30540".

## BSPR:

As used herein, the term "starting melting point" means the temperature at which a wax begins to melt. This temperature can be determined by DTA (differential thermal analysis), which allows the production of a thermogram (or melting curve) of the wax under consideration. The starting melting point corresponds to the temperature at which an appreciable change in the slope of the thermogram can be observed. The melting point itself represents the minimum point of the said thermogram.

## BSPV:

(1) preparation of the oily phase in the form of a soft paste obtained by preparing a premix of the waxes and oils, heating this premix to a temperature at which it melts and then introducing the molten premix and the other constituents (in particular the fillers) of the oily phase into a mixer-screw extruder subjected to a temperature gradient ranging from 80.degree. C. to 20.degree. C., in one or more portions, and blending the mixture obtained while at the same time cooling it to room temperature while it is conveyed to the outlet of the mixer-extruder;

## CLPR:

12. The method of claim 1, comprising at least one wax having a starting melting point of greater than or equal to 50.degree. C.

## CLPR:

13. The method of claim 1, wherein the wax is selected from the group consisting of carnauba wax, polyethylene waxes with a starting melting point of greater than 65.degree. C., microcrystalline waxes with a starting melting point of greater than 65.degree. C., and mixtures thereof.

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Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: US 6274131 B1

L10: Entry 1 of 13

File: USPT

Aug 14, 2001

US-PAT-NO: 6274131

DOCUMENT-IDENTIFIER: US 6274131 B1

TITLE: Mascara comprising a mixture of hard waxes and of film-forming polymer

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piot; Bertrand	Colombes	N/A	N/A	FRX
Debert; Daniele	Savigny sur Orge	N/A	N/A	FRX
Bodelin-Lecomte; Sophie	Vanves	N/A	N/A	FRX

US-CL-CURRENT: 424/70.7; 424/401, 424/70.1, 424/70.11, 424/70.12

Full Title Citation Front Review Classification Date Reference

KMIC Draw Desc Image

☐ 2. Document ID: US 6264965 B1

L10: Entry 2 of 13

File: USPT

Jul 24, 2001

US-PAT-NO: 6264965

DOCUMENT-IDENTIFIER: US 6264965 B1

TITLE: Composition in the form of an O/W emulsion with a high wax content and uses thereof in cosmetics and dermatology

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roulier; Veronique	Paris	N/A	N/A	FRX
Simon; Pascal	Seine	N/A	N/A	FRX

US-CL-CURRENT: 424/401; 264/4.1, 264/4.3, 264/4.6, 424/78.02, 424/78.03

Full Title Citation Front Review Classification Date Reference

KMIC Draw Desc Image

☐ 3. Document ID: US 6132736 A

L10: Entry 3 of 13

File: USPT

Oct 17, 2000

US-PAT-NO: 6132736

DOCUMENT-IDENTIFIER: US 6132736 A

TITLE: Cosmetic composition based on a microdispersion of wax comprising a lipophilic organofluorine compound

DATE-ISSUED: October 17, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mellul; Myriam	L'Hay les Roses	N/A	N/A	FRX
Piot; Bertrand	La Garenne-Colombes	N/A	N/A	FRX

US-CL-CURRENT: 424/401; 424/70.1, 424/70.11, 424/70.2, 424/70.7

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5968530 A

L10: Entry 4 of 13

File: USPT

Oct 19, 1999

US-PAT-NO: 5968530

DOCUMENT-IDENTIFIER: US 5968530 A

TITLE: Emollient compositions

DATE-ISSUED: October 19, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arquette; Demetrios James G.	Tempe	AZ	N/A	N/A

US-CL-CURRENT: 424/401; 424/502, 424/59, 424/63, 424/64, 514/844, 514/873

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5916548 A

L10: Entry 5 of 13

File: USPT

Jun 29, 1999

US-PAT-NO: 5916548  
DOCUMENT-IDENTIFIER: US 5916548 A

TITLE: Personal care compositions

DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hutchins; Thomas Allen	Cincinnati	OH	N/A	N/A
Snyder; Michael Albert	Mason	OH	N/A	N/A
Clarizia; Mario Paul	Iowa City	IA	N/A	N/A

US-CL-CURRENT: 424/70.12; 424/401, 424/47, 424/70.1, 424/70.16, 424/70.19,  
424/70.2, 424/70.22, 424/70.27, 424/70.28, 424/78.18, 424/78.24, 514/844,  
514/845, 514/846, 514/847, 514/944

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)

[KIMC](#) [Draw Desc](#) [Image](#)

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☐ 6. Document ID: US 5863527 A

L10: Entry 6 of 13

File: USPT

Jan 26, 1999

US-PAT-NO: 5863527

DOCUMENT-IDENTIFIER: US 5863527 A

TITLE: Personal care compositions

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hutchins; Thomas Allen	Cincinnati	OH	N/A	N/A
Snyder; Michael Albert	Mason	OH	N/A	N/A
Clarizia; Mario Paul	Iowa City	IA	N/A	N/A

US-CL-CURRENT: 424/70.16; 424/401, 424/70.1, 424/70.12, 424/70.19, 424/70.2,  
424/70.22, 424/70.27, 424/70.28, 424/78.18, 424/78.24, 514/937, 514/944

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)

[KIMC](#) [Draw Desc](#) [Image](#)

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☐ 7. Document ID: US 5858338 A

L10: Entry 7 of 13

File: USPT

Jan 12, 1999



US-PAT-NO: 5858338  
DOCUMENT-IDENTIFIER: US 5858338 A

TITLE: Cosmetic eye makeup composition comprising a wax microdispersion

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piot; Bertrand	La Garenne Colombes	N/A	N/A	FRX
Mellul; Myriam	L'Hay les Roses	N/A	N/A	FRX

US-CL-CURRENT: 424/70.7; 424/401, 424/63

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 8. Document ID: US 5849278 A

L10: Entry 8 of 13

File: USPT

Dec 15, 1998

US-PAT-NO: 5849278  
DOCUMENT-IDENTIFIER: US 5849278 A

TITLE: Cosmetic eye makeup composition comprising a wax microdispersion

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piot; Bertrand	La Garenne Colombes	N/A	N/A	FRX
Mellul; Myriam	L'Hay les Roses	N/A	N/A	FRX

US-CL-CURRENT: 424/70.7; 424/401, 424/63, 424/70.11, 514/937

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 9. Document ID: US 5830447 A

L10: Entry 9 of 13

File: USPT

Nov 3, 1998

US-PAT-NO: 5830447

DOCUMENT-IDENTIFIER: US 5830447 A

TITLE: Personal care compositions

DATE-ISSUED: November 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Hutchins; Thomas Allen	Cincinnati	OH	N/A		N/A
Carballada; Jose Antonio	Cincinnati	OH	N/A		N/A
Bolich, Jr.; Raymond Edward	Maineville	OH	N/A		N/A
Torgerson; Peter Marte	Washington Courthouse	OH	N/A		N/A
Snyder; Michael Albert	Mason	OH	N/A		N/A
Clarizia; Mario Paul	Iowa City	IA	N/A		N/A

US-CL-CURRENT: 424/70.12; 424/401, 424/70.1, 424/70.16, 424/70.19, 424/70.2,  
424/70.22, 424/70.27, 424/70.28, 424/78.18 , 424/78.24

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 10. Document ID: US 5804173 A

L10: Entry 10 of 13

File: USPT

Sep 8, 1998

US-PAT-NO: 5804173

DOCUMENT-IDENTIFIER: US 5804173 A

TITLE: Personal care compositions

DATE-ISSUED: September 8, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Hutchins; Thomas Allen	Cincinnati	OH	N/A		N/A
Carballada; Jose Antonio	Cincinnati	OH	N/A		N/A
Bolich, Jr.; Raymond Edward	Maineville	OH	N/A		N/A
Torgerson; Peter Marte	Washington Courthouse	OH	N/A		N/A
Snyder; Michael Albert	Cincinnati	OH	N/A		N/A
Clarizia; Mario Paul	Cincinnati	OH	N/A		N/A

US-CL-CURRENT: 424/70.16; 424/401, 424/70.1, 424/70.12, 424/70.19, 424/70.2,  
424/70.22, 424/70.27, 424/70.28, 424/78.18 , 424/78.24

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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Terms	Documents
(mix\$ near20 waxes) and (melting adj point\$) and mascara	13

10

Documents, starting with Document:

11

**Display Format:**

**WEST****End of Result Set**

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L11: Entry 1 of 1

File: USPT

Feb 2, 1999

DOCUMENT-IDENTIFIER: US 5866149 A

TITLE: Composition for making up the eyelashes and the eyebrows stabilized oxyethylenated derivatives

**ABPL:**

The present invention relates to a composition for making up the eyelashes and the eyebrows, consisting of a fatty phase based on wax(es) of melting point between 50.degree. and 110.degree. C. and of an aqueous phase based on water-soluble film-forming polymer(s) in solution, containing as emulsifying agent and agent for inhibiting the growth of microorganisms, a mixture comprising at least one oxyethylenated glyceryl (C.sub.10 -C.sub.20) acylate and at least a second oxyethylenated glyceryl (C.sub.10 -C.sub.20) acylate or a non-oxyethylenated glyceryl acylate, which are chosen such that the final HLB, in the Griffin sense, of the said mixture is between 6 and 15, and containing from 0 to 14% by weight of wax(es) I having a needle penetration at 25%, according to the Reinhold standard, between 1 and 7.5 and from 2 to 40% by weight of wax(es) II having a needle penetration at 25%, according to the Reinhold standard, between 7.5 and 217; the wax(es) I/wax(es) II weight ratio being less than 2.

**BSPR:**

Generally, mascaras are wax-in-water emulsions whose physical stability is provided by the presence of surface-active agents and whose bacteriological stability is provided by the presence of preserving agents in sufficient amount.

**BSPR:**

Mascaras should also have good cosmetic properties. In particular, made-up eyelashes should be flexible, thereby making the make-up comfortable for the user.

**BSPR:**

The aim of the present invention is thus to produce stable mascaras which retain the flexibility of made-up eyelashes and which may be perfectly tolerated by sensitive eyes.

**BSPR:**

The bactericidal properties of these specific mixtures of glyceryl acylates make it possible to avoid the use of preserving agents in the mascaras or to reduce substantially their content of preserving agents and thereby to improve their tolerance with respect to the most sensitive eyes.

**BSPR:**

The Applicant has also discovered that by using these specific mixtures of glyceryl acylates in make-up compositions containing a specific wax formulation, mascaras having both good bactericidal properties and good flexibility properties were obtained.

**BSPR:**

The flexible compositions for making up the eyelashes and the eyebrows, according to the invention, consist of a phase based on wax(es) having a melting point between 50.degree. and 110.degree. C. and an aqueous phase based on water-soluble film-forming polymer(s) in solution. They are characterized in

that they contain:

BSPR:

The waxes uses in accordance with the present invention have a melting point between 50.degree. and 110.degree. C. and a penetration index at 25.degree. C., measured according to the Reinhold standard, between 1 and 7.5 (class I) or between 7.5 and 217 (class II).

BSPR:

The make-up compositions according to the invention are preferably in the form of a wax-in-water emulsion in which the size of the dispersed wax particles is greater than 1 .mu.m. This specific form of emulsion makes it possible to reduce further the content of preserving agents compared with a microemulsion (microdispersion of wax particles which are smaller than 1 .mu.m in size) for an equivalent bactericidal activity.

BSPR:

The make-up compositions according to the invention are in the form of a mascara.

DEPR:

Mascara I is in accordance with the invention. The HLB of the glyceryl stearate/PEG 30 glyceryl stearate emulsifying mixture is 11.8.

DEPR:

Mascara II is a counterpart according to the prior art, containing anionic surfactants.

DEPR:

Mascara I has a better inhibitory power, with respect to microorganisms, than mascara II.

DEPR:

Mascara I is flexible and well tolerated by individuals with very sensitive eyes.

DEPR:

Mascara IV is in accordance with the invention. The HLB of the glyceryl stearate/PEG 30 glyceryl stearate emulsifying mixture is 13.5.

DEPR:

Mascara III is a counterpart according to the prior art, containing a nonionic surfactant different from the glyceryl (C.sub.10 -C.sub.20) acylates of the invention.

DEPR:

Mascara IV has a better inhibitory power, with respect to microorganisms, than mascara III.

DEPR:

Mascara IV is flexible and is well tolerated by individuals with very sensitive eyes.

DEPR:

The mascara thus obtained has a good inhibitory power and is comfortable to use. Furthermore, it is well tolerated by individuals with very sensitive eyes.

DEPR:

When applied to the eyelashes, the mascara retains their flexibility.

CLPR:

1. Composition for making up the eyelashes and the eyebrows, comprising a fatty phase based on at least one wax having a melting point between 50.degree. and 100.degree. C. and an aqueous phase based on at least one water-soluble film-forming polymer in solution, comprising:

CLPR:

6. Composition according to claim 1, wherein the waxes present in the fatty phase are mineral waxes, synthetic waxes or animal waxes having a melting point between 50.degree. and 110.degree. C. and a needle penetration at 25.degree. C., according to the Reinhold standard, between 1 and 7.5 for wax I or between 7.5 and 217 for wax II.

CLPR:

11. Composition according to claim 1, which is in the form of a wax-in-water emulsion in which the particles of dispersed wax are greater than 1 .mu.m in size.